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FILE 'HOME' ENTERED AT 15:12:20 ON 03 APR 2003

558 s Merrill, Edward W./in

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FILE 'EUROPATFULL' ENTERED AT 15:16:05 ON 03 APR 2003  
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FILE 'USPATFULL' ENTERED AT 15:13:35 ON 3 APR 2 13  
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FILE 'USPAT2' ENTERED AT 15:13:05 ON 03 APR 2003  
BY THE EXAMINER'S OFFICE. SEE THE EXAMINER'S NAME, TITLE AND ADDRESS AT THE TOP OF THIS PAGE.

s Merrill, Edward W./in

## s 11 and high molecular weight polyethylenes

#### § 13 and medical implants

1.3.12 and medical implants

d 13 1-8

[Full Text](#)

O'CONNOR, Daniel;  
**MERRILL, Edward, W.:**  
 VENUGOPALAN, Premnath;  
 BRAJON, Charles  
 THE GENERAL HOSPITAL CORPORATION;  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY;  
 HARRIS, William, H.;  
 CASTY, Murali;  
 MURATOGLU, Cihun;  
 O'CONNOR, Daniel;  
**MERRILL, Edward, W.:**  
 VENUGOPALAN, Premnath;  
 BRAJON, Charles  
 DT Patent  
 PI WO 200100537 A1 20010125  
 DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CJ CZ DE JK EE ES  
 FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
 LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI  
 SK SL TJ TM TR TT UA UG US US UZ VN YU ZA ZW GH GM KE LS  
 MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE  
 DK ES FI FF GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA  
 GN GW ML MR NE SN TD TG  
 AI WO 200100537 A 19990716  
 ICM A61F001-32

L2 ANSWER 2 OF 8 PCTFULL COPYRIGHT 2003 Univentio

Full  
Text

AN 1997009793 PCTFULL ED 20020514  
 TIEN RADIATION AND MELT TREATED ULTRA **HIGH MOLECULAR WEIGHT**  
**POLYETHYLENE PROSTHETIC DEVICES**  
 TIFR DISPOSITIFS DE PROTHESE A BASE DE POLYETHYLENE A POIDS MOLECULAIRE TRES  
 ELEVE, TRAITES PAR FUSION ET RAYONNEMENT  
 IN **MERRILL, Edward, W.:**  
 HARRIS, William, H.;  
 CASTY, Murali;  
 MURATOGLU, Cihun;  
 BRAJON, Charles, R.;  
 O'CONNOR, Daniel, O.;  
 VENUGOPALAN, Premnath  
 PA MASSACHUSETTS INSTITUTE OF TECHNOLOGY;  
 THE GENERAL HOSPITAL CORPORATION  
 EA 1997009793 PCTFULL ED 20020514  
 PT Patent  
 I1 W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CJ CZ DE JK EE ES  
 FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
 LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI  
 SK SL TJ TM TR TT UA UG US US UZ VN YU ZA ZW GH GM KE LS  
 MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH  
 CY DE DK ES FI FF GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM  
 GA GN ML MR NE SN TD TG  
 AI WO 200100537 A 19990716  
 IFAI US 5614543 A 19970325  
 "Polyethylene prosthetic devices" 19970325

Full  
Text

AN 1997009793 PCTFULL ED 20020514  
 I1 Polyethylene prosthetic devices 19970325  
 Merrill Edward W 19970325

IA Massa husette Institute of Technology, Cambridge, MA, United States  
U.S. Corporation

PI US 65 17445 BI 2001121  
AI US 1997-798638 PEND 11/17 1997  
PT Utility  
FS GRANTEES  
LN. CNT 376

INCL INCLM: 413 413.000  
INCIS: 413 500.000; 428/516.000; 428/522.000; 428/523.000;  
413 333.000; 427/496.000; 351/166.000R; 351/166.000H;  
351/166.000; 427/493.000; 427/496.000; 427/495.000

NCL NCLM: 413 413.000  
NCLS: 351 166.000; 427/493.000; 427/496.000; 428/333.000;  
413 500.000; 428/515.000; 428/516.000; 428/520.000; 428/522.000

IC [?]  
ICM: B1B17-38

EXF 351 166.000H; 351/166; 428/500; 428/515; 428/516; 428/333;  
413 413; 413/520; 428/522; 427/2.1; 427/2.12; 427/402; 427/496; 427/498;  
427.413; 427/36

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 5 USPATFULL

Full   
Text 

AN 1003146017 USPATFULL  
TI Radiation and melt treated ultra **high molecular weight polyethylene** prosthetic device  
IN Merrill, Edward W., Blement, MA, UNITED STATES  
Harris, William H., Blement, MA, UNITED STATES  
Pasti, Marali, Weston, MA, UNITED STATES  
Miratiglu, Arhun, Cambridge, MA, UNITED STATES  
Bragditt, Charles R., Weymouth, MA, UNITED STATES  
O'Crann, Daniel O., East Taunton, MA, UNITED STATES  
Venduppalan, Premnath, Chennai, INDIA  
PI US 65 17445-1 AI 20030116  
AI US 1997-798638 (10)  
RLI Continuation of Ser. No. US 2001-764445, filed on 19 Jan 2001, PENDING  
Continuation of Ser. No. US 2000-572324, filed on 18 May 2000, ABANDONED  
Continuation of Ser. No. US 1997-798638, filed on 11 Feb 1997, ABANDONED  
Continuation-in-part of Ser. No. US 1996-726313, filed on 2 Oct 1996,  
ABANDONED Continuation-in-part of Ser. No. US 1996-600744, filed on 13 Feb 1996, GRANTEED, Pat. No. US 600744

PT [?]

FS APP146017

LN. CNT 376

INCL INCLM: 413 413.000

NCL NCLM: 413 413.000

IC [?]

ICM: B1B17-38

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 5 OF 5 USPATFULL

Full   
Text 

Merrill, Edward W.

Massachusetts Institute of Technology, Cambridge, MA, United States  
Pasti, Marali, Weston, MA, United States  
Miratiglu, Arhun, Cambridge, MA, United States

corporation.

Massachusetts Institute of Technology, Cambridge, MA, United States  
(U.S. corporation).

PI US 4644820 BI 2642315  
 AI US 5105443 264/404.00  
 RLI Continuation of Ser. No. US 1996-59622, filed on 14 Apr 1997, now  
 abandoned Division of Ser. No. US 1996-61744, filed on 18 Feb 1996, now  
 patented, Pat. No. US 5879400, issued on 9 Mar 1999  
 DT Utility  
 FS GRANTRED  
 LN.CNT 513  
 INCL INCLM: 264/405.000  
 INCLS: 264/162.000; 264/237.101; 264/408.000  
 NCL NCLM: 264/405.000  
 NCLS: 264/162.000; 264/237.000; 264/408.000  
 IC [7]  
 ICM: R2FC065-08  
 EXP 264/31; 264/162; 264/237; 264/405; 264/408  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER C OF 3 USPATFULL

**Full**   
**Text**  **References**

AN 1001:12534 USPATFULL  
 TI Radiation and melt treated ultra **high molecular weight**  
**polyethylene** prosthetic devices  
 IN Merrill, Edward W., Belmont, MA, UNITED STATES  
 Harbo, William H., Belmont, MA, UNITED STATES  
 Jasty, Murali, Weston, MA, UNITED STATES  
 Mirataylu, Orhun, Cambridge, MA, UNITED STATES  
 Bragdon, Charles F., Weymouth, MA, UNITED STATES  
 O'Connor, Daniel O., East Taunton, MA, UNITED STATES  
 Venugopal, Premnath, Mugappair, INDIA  
 PI US 10 2007213 AI 20020117  
 AI US 10 1-764445 AI 20010119 (S)  
 RLI Continuation of Ser. No. US 2000-572324, filed on 1<sup>st</sup> May 2000, ABANDONED  
 Continuation of Ser. No. US 1997-798638, filed on 11 Feb 1997, ABANDONED  
 Continuation-in-part of Ser. No. US 1996-726313, filed on 2 Oct 1996,  
 ABANDONED Continuation-in-part of Ser. No. US 1996-61744, filed on 18  
 Feb 1996, GRANTED, Pat. No. US 5879400  
 DT Utility  
 FS AGRANTRED  
 LN.CNT 513  
 INCL INCLM: 264/31; 264/162; 264/237.101; 264/404.000; 264/405.000;  
 INCLS: 264/162.000; 264/237.001; 264/408.000  
 NCL NCLM: 264/31; 264/162; 264/237.101; 264/404.000; 264/405.000;  
 NCLS: 264/162.000; 264/237.001; 264/408.000  
 IC [7]  
 ICM: A-1/F-02 3-1  
 EXP: 264/31; 264/162; 264/237.101; 264/404.000; 264/405.000  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

**Full**   
**Text**  **References**

radiation and melt treated **ultra high molecular weight**  
**polyethylene** prosthetic devices  
 IN Merrill, Edward W., Belmont, MA, UNITED STATES

Bragdon, Charles R., Weymouth, MA, United States  
 O'Connor, Daniel C., East Taunton, MA, United States  
 Venugopalan, Premnath, Madras, India

PI US 101107745 AI 20011114  
 AI US 1301-42166 AI 20010426 10  
 RLI Continuation of Ser. No. US 2000-572324, filed on 18 May 2000, PENDING  
 Continuation of Ser. No. US 1997-798638, filed on 11 Feb 1997, ABANDONED  
 Continuation-in-part of Ser. No. US 1996-726313, filed on 2 Oct 1996,  
 ABANDONED Continuation-in-part of Ser. No. US 1996-601744, filed on 13  
 Feb 1996, GRANTEED, Pat. No. US 577940

PT Utility  
 FS APPLICATION

LN.CNT 235

INCL INCLM: 613/018.110  
 INCLS: 613/018.110; 623/020.110; 623/021.110; 623/022.110; 623/908.000;  
 613/011.000; 264/162.000; 264/485.000; 264/488.000; 264/494.000;  
 422/001.000  
 NCL NCLM: 613/018.110  
 NCLS: 613/018.110; 623/020.110; 623/021.110; 623/022.110; 623/908.000;  
 613/011.000; 264/162.000; 264/485.000; 264/488.000; 264/494.000;  
 422/001.000

IC [?]  
 ICM: A61F 2/28  
 ICS: B19C15-08; A61F002-30  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 1 OF 1 USPATFULL

Full   References

AN 1999:30091 USPATFULL  
 TI Melt-irradiated ultra **high molecular weight polyethylene**  
 prosthetic devices  
 IN Merrill, Edward W., Belmont, MA, United States  
 Harris, William H., Belmont, MA, United States  
 Venugopalan, Premnath, Cambridge, MA, United States  
 Jasty, Mirali, Weston, MA, United States  
 Bragdon, Charles R., Weymouth, MA, United States  
 O'Connor, Daniel C., East Taunton, MA, United States  
 PA Massachusetts Institute of Technology, Cambridge, MA, United States  
 (U.S. corporation)  
 The General Hospital Corporation, Boston, MA, United States (U.S.  
 corporation)  
 PI US 1301-42166 AI 20010426 10  
 AI US 101107745 AI 20011114  
 PT Utility  
 PV Draft ed  
 LN.CNT 235  
 INCL INCLM: 613/018.110  
 INCLS: 613/018.110; 623/020.110; 623/021.110; 623/022.110; 623/908.000;  
 NCL NCLM: 613/018.110  
 NCLS: 613/018.110  
 IC [?]  
 ICM: A61F 2/28  
 EINF 613/018.110; 623/020.110; 623/021.110; 623/022.110; 623/908.000;

• **high molecular weight polyethylene or ultrahigh molecular weight polyethylene**  
 • **prosthetic devices** comprising melt-irradiated **ultrahigh molecular weight polyethylene**  
 • **prosthetic devices** comprising melt-irradiated **ultrahigh molecular weight polyethylene**

1 of 1 result

=> S 15 AND FREE RADICAL#  
L6 41 LS ANT FREE RADICAL#

BT 39 LG AND ANNEAL? AND HEAT?

=> s 17 and (crosslink? or cross-link?)  
L8 39 L7 AND (CROSSLINK? OR CROSS-LINK?)

= s 18 and oxygen-free  
L9 18 LS AND OXYGEN-FREE

15 L9 AND COOL?

=> S 110 AND PACKAG? AND STERILIZ?  
L11 TO L16 AND PACKAG? AND STERILIZ?

⇒ d 111 1-10

LII ANSWER 1 OF 10 EUROPEATFULL COPYRIGHT 2018 WILAYAH

Full  
Text

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

AM 963824 EUROPATFULL ED 20000109 EW 199950 FS OS  
TIEN Cross-linked molded plastic bearings.  
TIDE Vernetzte, geformte Kunststofflager.  
TIFFR Paliers moules en plastique reticulee.  
IN McNulty, Donald E., 1263 N Shagbark Drive, Warsaw, Indiana 46580, US;  
Smith, Todd, 14510 Lightning Ridge Run, Fort Wayne, Indiana 46804, US  
PA DEPUY ORTHOPAEDICS, INC., 700 Orthopaedic Drive, Warsaw, Indiana 46581,  
US  
SO Wila-EPE-1999-H50-T3a  
DS F AT; F BE; F CH; F CY; F DE; F DK; F ES; F FI; F FR; F GB; F GR; F IE;  
F IT; F LI; F LU; F MC; F NL; F PT; F SE; F AL; F LT; F LV; F MK; F RO;  
F SI  
PIT EPA2 EUROPÄISCHE PATENTANMELDUNG  
PI EP 963824 A2 19991215  
CI 19991215  
AI EP 1999-12-15  
EPRI EP 1999-12-15  
IPR EP 1999-12-15  
IP EP 1999-12-15  
IPI EP 1999-12-15  
IPI EP 1999-12-15

L11 ANSWER 2 OF 18 PCTFULL COPYRIGHT 2002 Univeristy 18

Full  
Text

ITEM A METHOD FOR THE PREPARATION OF THROMBOPETIN WITH AN ANTI-MILANT AND AN ANTI-PROLIFERATIVE ACTIVITY

LA	SJÖEVALL, Peter
ST	WESSLEN, Bengt
PI	English
DS	Patent
	WO 2004 049174 A1 2004-09-24
W:	AE AL AM AT AU AZ BA BB BG BY CA CH CN CU CZ DE IK EE ES FI GB GL GE GH GM HR HU IE IL IN IS H KE KG KP KR KZ L LK LT LS LT LU LV ME MG MK MN MW MM NC NE PL PT RO PU SI SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SL SL SZ TZ UG ZW AM AZ BY KG KZ ML RU TJ TM AT BE CH CY DE IK ES FI FR GB GR IE IT LU MC NL PT SE BF BY CF CG CI CM GA GN GW ML MP NE SI TI TG
AI	WO 2004 049174 A 20040921?
PRAI	SE 1333-991 1999-09-1 19990921?
ICM	C08K 105/15
ICS	A61L 027-34; A61F 002-30; C08L 023-04

L11 ANSWER 3 OF 11 PCTFULL COPYRIGHT 2003 Univentive

Full  
Text

AN 1993014,23 PCTFULL ED 20020514  
 TIEN PROCESS FOR MEDICAL IMPLANT OF CROSS-LINKED ULTRAHIGH  
 MOLECULAR WEIGHT POLYETHYLENE HAVING IMPROVED BALANCE OF WEAR  
 PROPERTIES AND OXIDATION RESISTANCE  
 TIFR PROCEDE DE FABRICATION DE PROTHESE MEDICALE EN POLYETHYLENE RETICULE A  
 HAUTE MOLECULAIRE TRES ELEVE A EQUILIBRE AMELIORE DES PROPRIETES A  
 L'USAGE ET DE RESISTANCE A L'OXYDATION  
 IN SAUM, Kenneth, Ashley;  
 SANFORD, William, Michael;  
 DIMAIO, William, Gerald, Jr.;  
 HOWARD, Edward, George, Jr.  
 PA E.I. DU PONT DE NEMOURS AND COMPANY  
 LA English  
 DT Patent  
 PI WO 93/014,23 A1 199301409  
 DS W: AL AM AU AZ BA BE BG BR BY CA CN CU CZ EE GE HU IE IL IS JP  
       KG KP KR KZ LC LN LR LT LV MI NG MK MN MX NO NZ PL RO RU SG  
       SI SK SL TJ TM TF TT UA UZ VN YU GH KE LS MW SL SZ UG ZW AM  
       AZ BY EG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT  
       LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
 AI WO 93/014,23 A1 199301402  
 PCT/US92/07776 A 199301402  
 US 5,108,454 A 19920113  
 ICM A61L 27/04  
 IPI A61L 27/04

## ANSWER TO A QUESTION

Full  
Text

AN 2002:281723 USPATFULL  
TI Method for the preparation of UHMWPE dipped with an antimicrobial and an  
implant made thereof  
IN Lidenen, Lars, INRA, INSTITUT  
RECHERCHES POUR L'AGRICULTURE, NUTRITION  
ET ENVIRONNEMENT

FS GRANTED  
 LN.CNT 443  
 INCL INCLM: 524/110.000  
 INCLS: 524/424.000  
 NCL NCLM: 524/110.000  
 NCLS: 524/424.000  
 IC [7]  
 ICM: C08K 15-15  
 ICS: C08K 13-00  
 EXP 524/110; 1.4/424  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 10 USPATFULL

Full Text  **Chemical**  References

AN 200110981P USPATFULL  
 TI Process for **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance  
 IN Baum, Kenneth Ashley, Newark, DE, UNITED STATES  
 Sanford, William Michael, Kennett Square, PA, UNITED STATES  
 Dimarco, William Gerald, JR., Boothwyn, PA, UNITED STATES  
 Howard, Edmund George, JR., Hockessin, DE, UNITED STATES  
 PI US 2001107100 A1 20020803  
 AI US 2001-56634 A1 20011029 (10)  
 RLI Continuation of Ser. No. US 2000-688551, filed on 16 Oct 2000, PATENTED  
 Continuation of Ser. No. US 1999-422722, filed on 22 Oct 1999, PATENTED  
 Continuation of Ser. No. US 1997-911792, filed on 15 Aug 1997, PATENTED  
 PRAI US 1996-17754P 19961002 (60)  
 BT Utility  
 FS APLICATION  
 LN.CNT 903  
 INCL INCLM: 524 161.000  
 NCL NCLM: 524 161.000  
 IC [7]  
 ICM: C08C 13-28  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 10 USPATFULL

Full Text  **Chemical**  References

AN 200110981P USPATFULL  
 TI Wear resistant, oil-filled **medical implant** and thermal treatment container therefor  
 IN Pazzini, Robert, Lake Hopatcong, NJ, United States  
 Averill, Robert, Pincora, NJ, United States  
 Afflitti, Richard, Long Beach Island, NJ, United States  
 PA Implex Corp., United States (U.S. corporation)  
 PI US 6365215 B1 20020812  
 AI US 1999-266134 1999-03-11 (60)  
 BT Utility  
 FS GRANTED  
 LN.CNT 1000  
 INCL INCLM: 524 161.000  
 NCL NCLM: 524 161.000  
 IC [7]  
 ICM: C08C 13-28  
 ICS: C08C 13-00  
 EXP 524/110; 1.4/424  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

## L11 ANSWER 7 OF 10 USPATFULL

**Full Text**  **Utility**  
 **References**

AN 2001:21151 USPATFULL  
 TI Process for **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance  
 IN Baum, Kenneth Ashley, Newark, DE, United States  
 Jantora, William Michael, Kennett Square, PA, United States  
 Lohman, Jr., William Gerald, Boothwyn, PA, United States  
 Howard, Jr., Edward George, Hockessin, DE, United States  
 PA Depuy Orthopaedics, Inc., Warsaw, IN, United States (U.S. corporation)  
 PI US 6316151 B1 20011113  
 AI US 1997-011795 20001016 (9)  
 RLI Continuation of Ser. No. US 1999-422722, filed on 22 Oct 1999  
 Continuation of Ser. No. US 1997-911792, filed on 15 Aug 1997, now patented, Pat. No. US 6017975, issued on 25 Jan 2000  
 DT Utility  
 FS GRANTED  
 LN.CNT 617  
 INCL INCLM: 430/130.000  
 INCLS: 430/127.000; 430/627.000; 522/161.000; 522/184.000; 522/189.000;  
 522/911.000; 522/912.000; 528/503.000; 623/011.000  
 NCL INCLM: 430/130.000  
 INCLS: 430/127.000; 430/627.000; 522/161.000; 522/184.000; 522/189.000;  
 522/911.000; 522/912.000; 528/503.000; 623/920.000  
 IC [7]  
 ICM: 31050-05-00  
 ICS: 31050-03-28  
 EXP 430/130; 430/127; 430/627; 522/161; 522/184; 522/189; 522/911; 522/912;  
 528/503; 623/11  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

## L11 ANSWER 8 OF 10 USPATFULL

**Full Text**  **Utility**  
 **References**

AN 2001:62852 USPATFULL  
 TI Process for **medical implant of cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance  
 IN Baum, Kenneth Ashley, Newark, DE, United States  
 Jantora, William Michael, Kennett Square, PA, United States  
 Lohman, Jr., William Gerald, Boothwyn, PA, United States  
 Howard, Jr., Edward George, Hockessin, DE, United States  
 PA Depuy Orthopaedics, Inc., Warsaw, IN, United States (U.S. corporation)  
 PI US 6316151 B1 20011113  
 AI US 1999-422722 1999122 9  
 RLI Continuation of Ser. No. US 1997-911792, filed on 15 Aug 1997, now patented, Pat. No. US 6017975  
 DT Utility  
 FS Granted  
 LN.CNT 614  
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AN 200 :3964 USPATFULL  
 TI Process for **medical implant** of **cross-linked ultrahigh molecular weight polyethylene** having improved balance of wear properties and oxidation resistance  
 IN Sam, Kenneth Ashley, 203 Wilson Rd., Newark, DE, United States 19711  
 Sam, William Michael, 52 Fawn Ln., Kennett Square, PA, United States 19343  
 Sam, Jr., William Gerald, 1306 Longmeadow Rd., Bala Cynwyd, PA, United States 19004  
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 PI US 4,797,525 20000125  
 AI US 4,797,525 19970815 (8)  
 PPAI US 4,797,525 19961002 (60)  
 DT Utility  
 FS Granted  
 LN.CNT 425  
 INCL INCLM: 522 181.000  
 INCLM: 522 184.000; 522/189.000; 522/911.000; 522/912.000; 528/503.000  
 NCL NCLM: 522 181.000  
 NCLM: 522 184.000; 522/189.000; 522/911.000; 522/912.000; 528/503.000  
 IC [6]  
 ICM: C08J9/3-28  
 EXP 526/03; 512/65; 522/71; 522/161; 522/189; 522/184; 522/911; 522/912  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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AN 95:4,985 USPATFULL  
 TI Non oxidizing polymeric **medical implant**  
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 Stark, Casper F., Pompton Lakes, NJ, United States  
 PA Howmedica Inc., New York, NY, United States (U.S. corporation)  
 PI US 5,414,049 19950509  
 AI US 5,414,049 19930601 (9)  
 DT Utility  
 FS Granted  
 LN.CNT 775  
 INCL INCLM: 525-181.000  
 INCLM: 525-184.000; 525-189.000  
 NCL NCLM: 525-181.000  
 NCLM: 525-184.000; 525-189.000  
 IC [1]  
 ICM: C08J 9/3-28  
 EXP 422/00; 422/04; 422/05; 525-181  
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